

HF-KP13B

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	hf-kp13b
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.31 kgs
Cooling Capacity	0.1 kW
Voltage	AC
Power	0.1 kW
Speed (RPM)	3000 RPM
Product Type	Motor

Description

The Mitsubishi HF-KP13B is a low-inertia, small-capacity AC servo motor from the MELSERVO-J3 series, designed for precise motion control in compact applications. With a rated output of 100W and a rated speed of 3000 rpm, it delivers a nominal torque of 0.32 Nm and a maximum torque of 0.95 Nm. The motor features an electromagnetic brake and operates at a rated voltage of 200V. Its compact dimensions (57.1 mm in height, 41 mm in width, and 148.5 mm in depth) and lightweight design (approximately 0.86 kg) make it suitable for applications where space and weight are critical. The HF-KP13B is equipped with an 18-bit encoder, providing a resolution of 262,144 pulses per revolution, ensuring high-precision positioning. Its IP65 protection rating indicates resistance to dust and water ingress, suitable for various industrial environments. This servo motor is ideal for applications such as belt drives, industrial robots, assembly machinery, and food processing equipment, where compact size and precise control are essential.